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TI - DATA PROCESSOR FOR CHROMATOGRAPHY  
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AB - PURPOSE: To analyze an unknown sample accurately eliminating subjective judgment by an operator by analyzing a reference data and a reference sample to calibrate reference holding time automatically.  
- CONSTITUTION: A reference data storage means has a reference data comprising holding time  $t_{oi}$  of an identification peak, a peak amplitude value or a peak area value  $a_{oi}$  and a component concentration  $c_{oi}$  ( $i=1-n$ ) stored about a reference sample, wherein  $(n)$  represents the maximum number of identification peaks. Prior to the analysis of an unknown sample, a data detection means determines holding time  $t_j$  of the peak, the peak amplitude value or the peak area value  $a_j$  ( $j=1-n$ ) about the reference sample with a component concentration  $c_j$  known, wherein  $N$  is the maximum number of detection peaks. A peak identification means performs a peak identification about the reference sample based on two-dimensional information  $(t_j, a_j)$  and a data  $(t_{oi}, a_{oi}, c_{oi})$ . An automatic calibration means calibrates the reference holding time  $t_{oi}$  of the reference data storage means automatically according to the holding time  $j$  of the peak identified. The reference holding time calibrated is used to perform the subsequent analysis of the unknown sample thereby achieving higher analysis accuracy.  
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